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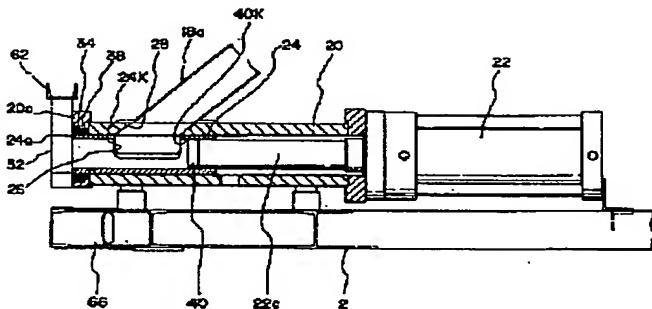
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INVENTOR : SATO DAIKI;

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TITLE : AUTOMATIC COMPRESSOR OF
METAL CHIP OR THE LIKE



ABSTRACT : PROBLEM TO BE SOLVED: To facilitate the treatment of metal chips and to simplify the mechanism with them compacted within a cylinder by compressing and solidifying metal chips or the like with the clamping force between a gate and a pressing plate when the pressing plate is driven in one end part direction within the cylinder body by being driven with a hydraulic cylinder.

SOLUTION: The pressing plate 40 is slid in the axial direction along the inner peripheral surface of the cylinder body 24 while compressing metal chips within the cylinder body 24 and transferred toward one end of the cylinder body 24 by being driven with the hydraulic cylinder 22. When the pressing plate 40 passes through the opening part 26, long metal chips are cut with the corner part 24K of the inner peripheral wall of the cylinder body 24 formed with the opening part 26 and the corner part 40K of the outer peripheral edge part of the pressing surface of the pressing plate 40. Metal chips are roundly compressed and formed into a disk shape between the gate 52 and the pressing plate 40. Next, a rod 22a is driven in the inverse direction and a little retreated, and the pressing force of the pressing plate 40 to the lump of compressed and formed metal chips is released.

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